

## ABSTRACT

A novel gene (designated PHOR-1) that is highly over-expressed in prostate and other cancers and its encoded protein are described. PHOR-1 is a G protein-coupled receptor with homology to receptors involved in olfaction. PHOR-1 in normal human tissues is restricted to prostate, and this gene is highly over-expressed in prostate cancer as well as in cancers of the kidney, uterus, cervix, stomach and rectum. Consequently, PHOR-1 provides a diagnostic and/or therapeutic target for prostate cancer.

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